

WHAT IS CLAIMED IS:

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1	1. An endoscope comprising:
2	ah elongated member having a longitudinal axis and a passage extending from a
3	proximal end to a distal end of the elongated member;
4	an imaging probe positioned at the distal end of the elongated member and
5	including:
6	an objective lens;
7	an imager positioned to receive an image from the objective lens; and
8	a light source for illuminating a target
9	a pivot mechanism mechanically coupled to the imaging probe;
0	an actuating assembly extending through the passage of the elongated member
1	and coupled to the pivoting mechanism, wherein upon actuation of the actuating mechanism,
2	the pivot mechanism rotates the imaging probe relative to a point at the distal end of the
3	elongated member.
1	The endoscope of claim 1 wherein the pivoting mechanism includes an arm
2	that swivels about the point.
1	3. The endoscope of claim 1 wherein the actuating assembly includes a chain
2	located at the distal end of the elongated member and a sprocket is coupled to the chain.
1	The endoscope of claim 1 wherein the actuating assembly includes a push rod.
1	5. The endoscope of claim 4 wherein the push rod assembly includes a pinion and
2	a rack, the rack coupled to a pinion and extending substantially parallel with the longitudinal
3	axis of the clongated member.
1	6. The endoscope of claim 1 wherein the actuating mechanism includes a
2	rotatable ring positioned at the proximal end of the elongated member.
1	7. The endoscope of claim 1 wherein the elongated member includes a conduit

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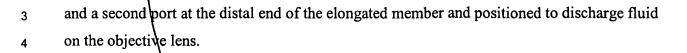
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- 8. The endoscope of claim 7 wherein the conduit further comprising a third port at the proximal end of the elongated member and connected to an air source.
- 9. The endoscope of claim 1 wherein the imaging probe further comprises a transmitter and a first power source electrically connected to the transmitter.

The endoscope of claim 9 further comprising a transceiver located at the proximal end of the elongated member that receives signals from the transmitter and transmits the signals to a receiver that is external to the endoscope.

11. The endoscope of claim 10 further comprising a second power source positioned at the proximal end of the elongated member and electrically connected to the transceiver.

12. The endoscope of claim 1 wherein the imaging probe is configured to rotate about the longitudinal axis of the elongated member relative to a stationary handle at the proximal end of the elongated member.

13. The endoscope of claim 12 further comprising an angle position sensor configured to provide information to a camera control unit to maintain a right side up image while the imaging probe rotates about the longitudinal axis.

14.\ An endoscope comprising:

an elongated member having a longitudinal axis and a passage extending from a proximal end to a distal end of the elongated member;

an imaging probe positioned at the distal end of the elongated member, the imaging probe including:

an objective lens;

an imager positioned to receive an image from the objective lens;

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- 21. The endoscope of claim 20 wherein the push rod assembly includes a pinion and a rack, the rack coupled to a pinion and extending substantially parallel with the longitudinal axis of the elongated member.
- 22. The endoscope of claim 17 wherein the actuating mechanism includes a rotatable ring positioned at the proximal end of the elongated member.
- 23. The endoscope of claim 14 wherein the elongated member includes a conduit having a first port at the proximal end of the elongated member and attached to a fluid source and a second port at the distal end of the elongated member and positioned to discharge fluid on the objective lens.
- 24. The endoscope of claim 23 wherein the conduit further comprising a third port at the proximal end of the elongated member and connected to an air source.
- 25. The endoscope of claim 14 wherein the imaging probe is configured to rotate about the longitudinal axis of the elongated member relative to a stationary handle located at the proximal end of the elongated member.
- 26. The endoscope of claim 25 further comprising an angle position sensor configured to provide information to a camera control unit to maintain a right side up image while the imaging probe rotates about the longitudinal axis.